

**PATENT DRAWING REVIEW**  
Under USPTO Standards 37 CFR 1.84 and 1.152

The drawings, filed on 01/30/2002 , are not compliance with the following Rules:

<p><b>1. DRAWINGS.</b> 1.84(a).</p> <p><input type="checkbox"/> Color drawings are not acceptable until petition is granted. Fig(s).</p> <p><input type="checkbox"/> Three sets of color drawings are required. Fig(s).</p> <p><input type="checkbox"/> Pencil, non-black ink are not permitted. Fig(s).</p> <p><b>2. PHOTOGRAPHS.</b> 1.84(b).</p> <p><input type="checkbox"/> Poor quality photos. Fig(s).</p> <p><b>3. TYPE OF PAPER.</b> 1.84(e).</p> <p><input type="checkbox"/> Paper not flexible, strong, white, and durable. Fig(s).</p> <p><input type="checkbox"/> Erasures, alterations, over writings, interlineations, folds, copy machine marks not accepted. Fig(s).</p> <p><b>4. SIZE OF PAPER.</b> 1.84(f). Acceptable paper sizes: 21.0cm x 29.7cm (A4 International Standard Size) 21.6cm x 27.9cm (US Letter size, 8.5" x 11")</p> <p><input type="checkbox"/> All drawing sheets are not the same size. Sheet(s)</p> <p><input type="checkbox"/> Paper size not acceptable. Fig(s).</p> <p><b>5. MARGINS.</b> 1.84(g). Acceptable margins : Top 2.5cm – Left 2.5cm – Right 1.5cm – Bottom 1cm</p> <p><input checked="" type="checkbox"/> Margins not acceptable. Fig(s). 5, 8, 8.1, 10.1, 10.2, 11, 12.2, 13.2, 14, 15, 17, 18.</p> <p><input type="checkbox"/> Top   <input checked="" type="checkbox"/> Left   <input type="checkbox"/> Right   <input type="checkbox"/> Bottom</p> <p><b>6. VIEWS.</b> 1.84(h).</p> <p>REMINDER: Specification may need to be revised in correspondence with the drawing changes.</p> <p><input type="checkbox"/> Views not labeled separately or properly. Fig(s).</p> <p><b>7. SECTIONAL VIEWS.</b> 1.84(h)(3).</p> <p><input type="checkbox"/> Sectional designation should be in Arabic or Roman number. Fig(s).</p> <p><b>8. ARRANGEMENT OF VIEWS.</b> 1.84(i).</p> <p><input type="checkbox"/> Different figures must be clearly separated. Fig(s).</p>	<p><b>9. SCALE.</b> 1.84(k).</p> <p><input type="checkbox"/> Scale not large enough, details not clear. Fig(s).</p> <p><b>10. CHARACTER OF LINES, NUMBERS, LETTERS.</b> 1.84(l).</p> <p><input type="checkbox"/> Lines, numbers, letters not uniform, clean, and well defined, (poor quality). Fig(s).</p> <p><b>11. SHADING.</b> 1.84(m).</p> <p><input type="checkbox"/> Solid black shading not permitted. Fig(s).</p> <p><b>12. REFERENCE CHARACTERS: NUMBERS, LETTERS.</b> 1.84(p).</p> <p><input type="checkbox"/> Characters not plain, legible. Fig(s).</p> <p><input type="checkbox"/> Characters not oriented in the same direction as the view. Fig(s).</p> <p><input type="checkbox"/> English required. Fig(s).</p> <p><input checked="" type="checkbox"/> Characters must be at least .32cm (1/8") height. Fig(s). 9, 11, 12, 13, 17, 18.</p> <p><b>13. LEAD LINES.</b> 1.84(q).</p> <p><input type="checkbox"/> Crossed lead lines not allowed. Fig(s).</p> <p><input type="checkbox"/> Missing lead lines. Fig(s).</p> <p><b>14. PAGE NUMBERING.</b> 1.84(t).</p> <p><input type="checkbox"/> Drawing sheets not properly numbered. Fig(s).</p> <p><b>15. VIEW NUMBERING.</b> 1.84(u).</p> <p><input type="checkbox"/> View not numbered consecutively, in Arabic numbers, begin with number 1. Fig(s).</p> <p><b>16. DESIGN DRAWINGS.</b> 1.152.</p> <p><input type="checkbox"/> Surface shading not appropriate. Fig(s).</p> <p><input type="checkbox"/> Solid black shading not permitted. Fig(s).</p>
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**COMMENTS:**

Lines cut through reference characters are not acceptable: Figs. 9, 11, 12, 13, 17, 18.

**Attachment for PTO-948 (Rev. 03/01, or earlier)**

6/18/01

**The below text replaces the pre-printed text under the heading, "Information on How to Effect Drawing Changes," on the back of the PTO-948 (Rev. 03/01, or earlier) form.**

**INFORMATION ON HOW TO EFFECT DRAWING CHANGES**

**1. Correction of Informalities – 37 CFR 1.85**

New corrected drawings must be filed with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. If corrected drawings are required in a Notice of Allowability (PTO-37), the new drawings **MUST** be filed within the **THREE MONTH** shortened statutory period set for reply in the Notice of Allowability. Extensions of time may NOT be obtained under the provisions of 37 CFR 1.136(a) or (b) for filing the corrected drawings after the mailing of a Notice of Allowability. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

**2. Corrections other than Informalities Noted by Draftsperson on form PTO-948.**

All changes to the drawings, other than informalities noted by the Draftsperson, **MUST** be made in the same manner as above except that, normally, a highlighted (preferably red ink) sketch of the changes to be incorporated into the new drawings **MUST** be approved by the examiner before the application will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes.

**Timing of Corrections**

Applicant is required to submit the drawing corrections within the time period set in the attached Office communication. See 37 CFR 1.85(a).

Failure to take corrective action within the set period will result in **ABANDONMENT** of the application.